

ABSTRACT

In the present application, a steel sheet having surface-treated zinc-based plating is provided which

5 comprises a zinc-based plating layer, a chromium-free conductive intermediate layer and an organic resin layer, all of the layers being superimposed one on another in the order mentioned. Even though it is of a so-called chromium-

10 free surface-treated steel sheet, the steel sheet is more conductive and more highly resistant to corrosion than conventional chromium-free steel sheets, the likelihood of water pollution is reduced, and the steel sheet can be used in various applications as a replacement for conventional chromate-treated steel sheets.